

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/013004

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D207/14 C07D409/12 C07D405/12 C07D401/12 A61K31/4025
A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 125 922 A1 (YOSHITOMI PHARMACEUTICAL INDUSTRIES, LTD., JAPAN) 22 August 2001 (2001-08-22) page 3, lines 5-18; claim 1; examples 53-56	1-36
Y	WO 01/66521 A (ULDAM A K ; HANSEN E L (DK); ANDERSSON CARL M (DK); CROSTON GLENN (US)) 13 September 2001 (2001-09-13) page 133, lines 23-26; claims 1,3 ----- -/--	1-36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

1 October 2004

Date of mailing of the international search report

11/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schuemacher, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/013004

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	THOMAS RYCKMANS ET AL: "First Dual NK1 Antagonists-Serotonin Reuptake Inhibitors: synthesis and SAR of a New Class of Potential Antidepressants" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 12, no. 2, 2002, pages 261-264, XP002974382 ISSN: 0960-894X figure 3; compounds 12,13	1-36
X	STERNFELD F ET AL: "SYNTHESIS AND SEROTONERGIC ACTIVITY OF 3-Ä2-(PYRROLIDIN-1-YL)ETHYLÜIN DOLES: POTENT AGONISTS FOR THE H5-HT1D RECEPTOR WITH HIGH SELECTIVITY OVER THE H5-HT1B RECEPTOR" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 42, no. 4, 25 February 1999 (1999-02-25), pages 677-690, XP002149743 ISSN: 0022-2623 scheme 2, compound 14a p. 679 ; preparation of 14a on p. 687.	1-5
A	WO 03/024928 A (BOEHRINGER INGELHEIM INT ; NOVO NORDISK AS (DK)) 27 March 2003 (2003-03-27) page 1, lines 3-29; claim 1	1-36
P,Y	WO 2004/000808 A (ACADIA PHARM INC) 31 December 2003 (2003-12-31) claims 1,25-35	1-36
P,Y	WO 2004/030668 A (LAMBERTY YVES ; UCB SA (BE); GENICOT CHRISTOPHE (BE)) 15 April 2004 (2004-04-15) page 1, lines 34-36; claim 1	1-36
E	WO 2004/052858 A (CLARK BARRY PETER ; WHATTON MARIA ANN (GB); WOOD VIRGINIA ANN (GB); GI) 24 June 2004 (2004-06-24) claims 1,23	1-36

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/013004

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 27-32,34-36 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/013004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1125922	A1	22-08-2001	AU 6367399 A	22-05-2000
			CA 2348879 A1	11-05-2000
			US 6468998 B1	22-10-2002
			CN 1332726 T	23-01-2002
			WO 0026186 A1	11-05-2000
WO 0166521	A	13-09-2001	AU 4007201 A	17-09-2001
			BR 0108977 A	06-01-2004
			CA 2397981 A1	13-09-2001
			CN 1443167 T	17-09-2003
			EP 1263729 A1	11-12-2002
			JP 2003531829 T	28-10-2003
			WO 0166521 A1	13-09-2001
			US 2003220316 A1	27-11-2003
			US 2002004513 A1	10-01-2002
			ZA 200205902 A	23-10-2003
WO 03024928	A	27-03-2003	WO 03024928 A2	27-03-2003
			WO 03024929 A1	27-03-2003
			EP 1430027 A2	23-06-2004
			EP 1434765 A1	07-07-2004
			US 2003130253 A1	10-07-2003
			US 2003186963 A1	02-10-2003
WO 2004000808	A	31-12-2003	WO 2004000808 A2	31-12-2003
			US 2004106600 A1	03-06-2004
WO 2004030668	A	15-04-2004	WO 2004030668 A1	15-04-2004
WO 2004052858	A	24-06-2004	WO 2004052858 A2	24-06-2004